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PTO/SB/05 (11-00)  
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# UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No. 107044-0009

First Inventor Xiaoming Ren

Title METALLIC LAYER COMPONENT FOR USE IN A DIRECT  
OXIDATION FUEL CELL

Express Mail Label No. EL 705604285US

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)  
Applicant claims small entity status.  
See 37 CFR 1.27. (Total Pages 29)
3. ☒ Specification  
(preferred arrangement set forth below)  
- Descriptive title of the invention  
- Cross References to Related Applications  
- Statement Regarding Fed sponsored R & D  
- Reference to sequence listing, a table,  
or a computer program listing appendix  
- Background of the invention  
- Brief Summary of the invention  
- Brief Description of the Drawings (if filed)  
- Detailed Description  
- Claim(s)  
- Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) (Total Sheets 11) (Total Pages 2)
5. Oath or Declaration  
a. ☒ Newly executed (original or copy)  
b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for a continuation/divisional with Box 18 completed)  
i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

## ADDRESS TO:

7. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)  
a. ☐ Computer Readable Form (CRF)  
b. Specification Sequence Listing on:  
i. ☐ CD-ROM or CD-R (2 copies); or  
ii. ☐ paper  
c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATIONS PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. § 3.73(b) Statement (when there is an assignee) ☒ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)  
Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
15. ☐ Request and Certification under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35  
or its equivalent.
16. ☐ Other:
17. ☐

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,  
or in an Application Data Sheet under 37 CFR 1.76:  
☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)  
Prior application information: Examiner \_\_\_\_\_ of prior application No: \_\_\_\_\_  
Group / Art Unit: \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied  
under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference.  
The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 17. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label (Insert C)

24267

or ☐ Correspondence address below  
(if here)

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Rita M. Rooney

Registration No. (Attorney/Agent)

30,585

Signature

*Rita M. Rooney*

Date

June 15, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any  
comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark  
Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for  
Patents, Box Patent Application, Washington, DC 20231.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re The Application of:  
Xiaoming Ren

Serial No.: Not Yet Assigned

Filed: June 14, 2001

For: METALLIC LAYER COMPONENT  
FOR USE IN A DIRECT OXIDA-  
TION FUEL CELL

Examiner: Not Yet Assigned

Art Unit: Not Yet Assigned

Cesari and McKenna, LLP  
88 Black Falcon Avenue  
Boston, MA 02210  
June 15, 2001

EXPRESS-MAIL DEPOSIT

"Express Mail" Mailing-Label Number: EL 705604285US

The following papers are being deposited with the United States Postal Service  
"Express Mail Post Office to Addressee" service pursuant to 37 C.F.R. §1.10:

X Patent Application ( 29 pages including 23 claims )

X Power of Attorney

X Fee Transmittal Letter

X Assignment With Recordation Form  
Cover Sheet

X Check No. 22621 for \$54.00

X check no. 22623 for \$710.00

X Oath or Declaration

X Utility Patent Application Transmittal  
Letter

X Informal Drawing ( 11 sheets )

X check no. 22622 for \$40.00

# FEE TRANSMITTAL

Patent fees are subject to annual revision on October 1.  
These are the fees effective October 1, 1997.  
Small Entity payments must be supported by a small entity statement,  
otherwise large entity fees must be paid. See Forms PTO/SB/09-12.  
See 37 C.F.R. §§ 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT

(\$ 804

## Complete If Known

Application Number Not Yet Assigned  
Filing Date June 14, 2001  
First Named Inventor Xiaoming Ren  
Examiner Name Not Yet Assigned  
Group / Art Unit Not Yet Assigned  
Attorney Docket No. 107044-0009

## METHOD OF PAYMENT (check one)

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit  
Account  
Number  
Deposit  
Account  
Name

03-1237

Cesari and McKenna, LLP

- ☒ Charge Any Additional Fee Required Under 37 C.F.R. §§1.16 and 1.17 ☐ Charge the Issue Fee Set in 37 C.F.R. §1.18 at the Mailing of the Notice of Allowance

2. ☒ Payment Enclosed:

- ☒ Check ☐ Money ☐ Other Order

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)		
101 710 201	35	Utility filing fee	710
106 320 206	160	Design filing fee	
107 490 207	245	Plant filing fee	
108 710 208	355	Reissue filing fee	
114 150 214	75	Provisional filing fee	
SUBTOTAL (1)			710

### 2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
23	20**	3 x 18	54
3	3**	0 x 80	0
			0

Multiple Dependent  
\*\*or number previously paid, if greater; For Reissues, see below

### Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description
103 18 203	9	Claims in excess of 20
102 80 202	40	Independent claims in excess of 3
104 270 204	135	Multiple dependent claim, if not paid
109 80 209	40	**Reissue independent claims over original patent
110 18 210	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 54

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
105 130 205	65	Fee Surcharge - late filing fee or oath	
127 50 227	25	Surcharge - late provisional filing fee or cover sheet	
139 130 139	130	Non-English Specification	
147 2,520 147	2,520	For filing a request for reexamination	
112 920 112	920*	Requesting publication of SIR prior to Examiner action	
113 1,840 113	1,840*	Requesting publication of SIR after Examiner action	
115 110 215	55	Extension for reply within first month	
116 390 216	195	Extension for reply within second month	
117 890 217	445	Extension for reply within third month	
118 1,390 218	695	Extension for reply within fourth month	
128 1,890 128	945	Extension for reply within fifth month	
119 310 219	155	Notice of Appeal	
120 310 220	155	Filing a brief in support of an appeal	
121 270 221	135	Request for oral hearing	
138 1,510 138	1,510	Petition to institute a public use proceeding	
140 110 240	55	Petition to revive - unavoidable	
141 1,240 241	620	Petition to revive - unintentional	
142 1,240 242	620	Utility Issue fee (or reissue)	
143 440 243	220	Design Issue fee	
144 600 244	300	Plant Issue fee	
122 130 122	130	Petitions to the Commissioner	
123 50 123	50	Petitions related to provisional applications	
126 240 126	240	Submission of Information Disclosure Stmt	
581 40 581	40	Recording each patent assignment per property (times number of properties)	
146 710 246	355	Filing a submission after final rejection (37 CFR 1.129(a))	
149 710 249	355	For each additional invention to be examined (37 CFR 1.129(b))	

Other (specify)  
Other fee (specify)

SUBTOTAL (3) (\$ 40

\*Reduced by Basic Filing Fee Paid

## SUBMITTED BY

Typed or  
Printed Name

Rita M. Rooney

Signature

*Rita M. Rooney*

Date

June 15, 2001

Reg. Number

30,585

Deposit Account User ID

Complete (if applicable)